



New Features for Cisco IOX XE 17.7.1

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IRM-1100 Expansion Module on the Compute Side

The IR1101 has two attachment points for expansion modules. The top side of the router is referred to as the Expansion side. The bottom side of the router is referred to as the Compute side.

Prior to IOS XE release 17.7.1, support was only on the Expansion side.

Starting with the 17.7.1 release, additional modules can be connected on the Compute side.

Features and Limitations

The following apply to the IRM-1100 with release 17.7.1:

- Switchports will not work if anything is connected on the Compute side
- MSATA and GPIO Pins for IRM-1100-SPMI are not supported when it is connected to the Compute side (bottom) for 17.7.1
- The IR1101 can only support a maximum of two LTE interfaces. Connecting an IRM-1100 on both sides is not supported. If connected in this configuration, only the Expansion side will be active.
- LTE interfaces when connected on Compute side, are enumerated cellular 0/4/0 and cellular 0/4/1
- CAT18 LTE module is not supported on the Compute side.
- Only the LTE interface functions when the IRM-1100-SP or IRM-1100-SPMI is connected on the Compute side.

Support ADSL MIB Objects

The following ADSL MIB OID will be supported on the IR1101:

1.3.6.1.2.1.10.94.1.1.6.1.15 ADSL-LINE-MIB adslAtucPerfCurr15MinInits
 1.3.6.1.2.1.10.94.1.1.6.1.22 ADSL-LINE-MIB adslAtucPerfCurr1DayInits

Support VDSL MIB Objects

The following VDSL MIB OID will be supported on the IR1101:

1.3.6.1.2.1.10.251.1.4.1.2.1.3	VDSL2-LINE-MIB	xdsl2PMLInitCurr15MTimeElapsed
1.3.6.1.2.1.10.251.1.4.1.2.1.4	VDSL2-LINE-MIB	xdsl2PMLInitCurr15MFullInits
1.3.6.1.2.1.10.251.1.4.1.2.1.5	VDSL2-LINE-MIB	xdsl2PMLInitCurr15MFailedFullInits
1.3.6.1.2.1.10.251.1.4.1.2.1.6	VDSL2-LINE-MIB	xdsl2PMLInitCurr15MShortInits
1.3.6.1.2.1.10.251.1.4.1.2.1.7	VDSL2-LINE-MIB	xdsl2PMLInitCurr15MFailedShortInits
1.3.6.1.2.1.10.251.1.4.1.2.1.10	VDSL2-LINE-MIB	xdsl2PMLInitCurr1DayTimeElapsed
1.3.6.1.2.1.10.251.1.4.1.2.1.11	VDSL2-LINE-MIB	xdsl2PMLInitCurr1DayFullInits
1.3.6.1.2.1.10.251.1.4.1.2.1.12	VDSL2-LINE-MIB	xdsl2PMLInitCurr1DayFailedFullInits
1.3.6.1.2.1.10.251.1.4.1.2.1.13	VDSL2-LINE-MIB	xdsl2PMLInitCurr1DayShortInits
1.3.6.1.2.1.10.251.1.4.1.2.1.14	VDSL2-LINE-MIB	xdsl2PMLInitCurr1DayFailedShortInits
1.3.6.1.2.1.10.251.1.4.1.1.1.2	VDSL2-LINE-MIB	xdsl2PMLCurr15MValidIntervals
1.3.6.1.2.1.10.251.1.4.1.1.1.3	VDSL2-LINE-MIB	xdsl2PMLCurr15MInvalidIntervals
1.3.6.1.2.1.10.251.1.4.1.1.1.4	VDSL2-LINE-MIB	xdsl2PMLCurr15MTimeElapsed
1.3.6.1.2.1.10.251.1.4.1.1.1.5	VDSL2-LINE-MIB	xdsl2PMLCurr15MFecs
1.3.6.1.2.1.10.251.1.4.1.1.1.6	VDSL2-LINE-MIB	xdsl2PMLCurr15MEs
1.3.6.1.2.1.10.251.1.4.1.1.1.7	VDSL2-LINE-MIB	xdsl2PMLCurr15MSes
1.3.6.1.2.1.10.251.1.4.1.1.1.8	VDSL2-LINE-MIB	xdsl2PMLCurr15MLoss
1.3.6.1.2.1.10.251.1.4.1.1.1.9	VDSL2-LINE-MIB	xdsl2PMLCurr15MUas
1.3.6.1.2.1.10.251.1.4.1.1.1.10	VDSL2-LINE-MIB	xdsl2PMLCurr1DayValidIntervals
1.3.6.1.2.1.10.251.1.4.1.1.1.11	VDSL2-LINE-MIB	xdsl2PMLCurr1DayInvalidIntervals
1.3.6.1.2.1.10.251.1.4.1.1.1.12	VDSL2-LINE-MIB	xdsl2PMLCurr1DayTimeElapsed
1.3.6.1.2.1.10.251.1.4.1.1.1.13	VDSL2-LINE-MIB	xdsl2PMLCurr1DayFecs
1.3.6.1.2.1.10.251.1.4.1.1.1.14	VDSL2-LINE-MIB	xdsl2PMLCurr1DayEs
1.3.6.1.2.1.10.251.1.4.1.1.1.15	VDSL2-LINE-MIB	xdsl2PMLCurr1DaySes
1.3.6.1.2.1.10.251.1.4.1.1.1.16	VDSL2-LINE-MIB	xdsl2PMLCurr1DayLoss
1.3.6.1.2.1.10.251.1.4.1.1.1.17	VDSL2-LINE-MIB	xdsl2PMLCurr1DayUas
1.3.6.1.2.1.10.251.1.4.1.3.1.3	VDSL2-LINE-MIB	xdsl2PMLHist15MMonitoredTime
1.3.6.1.2.1.10.251.1.4.1.3.1.4	VDSL2-LINE-MIB	xdsl2PMLHist15MFecs
1.3.6.1.2.1.10.251.1.4.1.3.1.5	VDSL2-LINE-MIB	xdsl2PMLHist15MEs
1.3.6.1.2.1.10.251.1.4.1.3.1.6	VDSL2-LINE-MIB	xdsl2PMLHist15MSes
1.3.6.1.2.1.10.251.1.4.1.3.1.7	VDSL2-LINE-MIB	xdsl2PMLHist15MLoss
1.3.6.1.2.1.10.251.1.4.1.3.1.8	VDSL2-LINE-MIB	xdsl2PMLHist15MUas
1.3.6.1.2.1.10.251.1.4.1.3.1.9	VDSL2-LINE-MIB	xdsl2PMLHist15MValidInterval
1.3.6.1.2.1.10.251.1.4.1.4.1.3	VDSL2-LINE-MIB	xdsl2PMLHist1DMonitoredTime
1.3.6.1.2.1.10.251.1.4.1.4.1.4	VDSL2-LINE-MIB	xdsl2PMLHist1DFecs
1.3.6.1.2.1.10.251.1.4.1.4.1.5	VDSL2-LINE-MIB	xdsl2PMLHist1DEs
1.3.6.1.2.1.10.251.1.4.1.4.1.6	VDSL2-LINE-MIB	xdsl2PMLHist1DSes
1.3.6.1.2.1.10.251.1.4.1.4.1.7	VDSL2-LINE-MIB	xdsl2PMLHist1DLoss
1.3.6.1.2.1.10.251.1.4.1.4.1.8	VDSL2-LINE-MIB	xdsl2PMLHist1DUas
1.3.6.1.2.1.10.251.1.4.1.4.1.9	VDSL2-LINE-MIB	xdsl2PMLHist1DValidInterval
1.3.6.1.2.1.10.251.1.4.2.1.1.2	VDSL2-LINE-MIB	xdsl2PMChCurr15MValidIntervals
1.3.6.1.2.1.10.251.1.4.2.1.1.3	VDSL2-LINE-MIB	xdsl2PMChCurr15MInvalidIntervals
1.3.6.1.2.1.10.251.1.4.2.1.1.4	VDSL2-LINE-MIB	xdsl2PMChCurr15MTimeElapsed
1.3.6.1.2.1.10.251.1.4.2.1.1.5	VDSL2-LINE-MIB	xdsl2PMChCurr15MCodingViolations
1.3.6.1.2.1.10.251.1.4.2.1.1.6	VDSL2-LINE-MIB	xdsl2PMChCurr15MCorrectedBlocks
1.3.6.1.2.1.10.251.1.4.2.1.1.7	VDSL2-LINE-MIB	xdsl2PMChCurr1DayValidIntervals
1.3.6.1.2.1.10.251.1.4.2.1.1.8	VDSL2-LINE-MIB	xdsl2PMChCurr1DayInvalidIntervals
1.3.6.1.2.1.10.251.1.4.2.1.1.9	VDSL2-LINE-MIB	xdsl2PMChCurr1DayTimeElapsed
1.3.6.1.2.1.10.251.1.4.2.1.1.10	VDSL2-LINE-MIB	xdsl2PMChCurr1DayCodingViolations
1.3.6.1.2.1.10.251.1.4.2.1.1.11	VDSL2-LINE-MIB	xdsl2PMChCurr1DayCorrectedBlocks
1.3.6.1.2.1.10.251.1.4.2.2.1.3	VDSL2-LINE-MIB	xdsl2PMChHist15MMonitoredTime
1.3.6.1.2.1.10.251.1.4.2.2.1.4	VDSL2-LINE-MIB	xdsl2PMChHist15MCodingViolations
1.3.6.1.2.1.10.251.1.4.2.2.1.5	VDSL2-LINE-MIB	xdsl2PMChHist15MCorrectedBlocks

1.3.6.1.2.1.10.251.1.4.2.2.1.6	VDSL2-LINE-MIB	xdsl2PMChHist15MValidInterval
1.3.6.1.2.1.10.251.1.4.2.3.1.3	VDSL2-LINE-MIB	xdsl2PMChHist1DMonitoredTime
1.3.6.1.2.1.10.251.1.4.2.3.1.4	VDSL2-LINE-MIB	xdsl2PMChHist1DCodingViolations
1.3.6.1.2.1.10.251.1.4.2.3.1.5	VDSL2-LINE-MIB	xdsl2PMChHist1DCorrectedBlocks
1.3.6.1.2.1.10.251.1.4.2.3.1.6	VDSL2-LINE-MIB	xdsl2PMChHist1DValidInterval

Support 1G SFPs

Release 17.7.1 will add support for the following SFPs:

GLC-T-RGD

CWDM-SFP-1470=

CWDM-SFP-1610=

CWDM-SFP-1530=

DWDM-SFP-3033=

DWDM-SFP-3112=

GLC-BX-D-I=

GLC-BX-U-I=

GLC-TE

